

REPORT
ON THE
HEALTH
OF THE
BOROUGH OF SUTTON COLDFIELD,
FOR THE YEAR 1903,

BY

A. BOSTOCK HILL, M.Sc., M.D., D.P.H., Camb.,

FELLOW OF THE INSTITUTE OF CHEMISTRY,

FELLOW OF THE SANITARY INSTITUTE,

PROFESSOR OF HYGIENE, AND PUBLIC HEALTH, UNIVERSITY OF BIRMINGHAM.

MEDICAL OFFICER OF HEALTH.

BIRMINGHAM :

BUCKLER & WEBB LIMITED, PRINTERS, CHURCH STREET.

—
1904.



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b3014906x>

BOROUGH OF SUTTON COLDFIELD,
MEDICAL OFFICER OF HEALTH'S OFFICE,
14, TEMPLE STREET, BIRMINGHAM.
30th January, 1904.

To the Sanitary and Buildings Committee.

MR. CHAIRMAN AND GENTLEMEN,

1. I have the honour to present to you my EIGHTEENTH ANNUAL REPORT on the Sanitary condition of the Borough, and in order to render comparison with previous reports as easy as possible, I have adopted the same general arrangement of tabular forms.

AREA.

2. This is the same as last year, namely 13,030 acres, and as there has been no alteration in the Ward Boundaries, the area is sub-divided as follows:—Boldmere Ward, 1,051 acres; Hill, 2,907; Maney, 848; Trinity, 3,223; Walmley, 4,242; and Wylde Green, 759.

POPULATION.

3. At a time when, like the present, the growth of the Borough is considerable, it is by no means an easy task, even with a fair degree of accuracy, to estimate the population of the town. In order to get as near an approximation as possible, I have consulted both the Borough Accountant and the Borough Surveyor; the one because of his experience of the rate book, the other of his knowledge of the number of new buildings and the proportion of these occupied at the middle of the year.

4. As a result, I estimate that the number of inhabited houses occupied at the middle of the year was 3,535, and, multiplying this figure by 4.64, the average number of people found in each house at the census of 1901, the population appears to be 16,402. It must not be forgotten, however, that the Princess Alice Orphanage is situated in the town, and that the average number of inmates in this Institution was 217, so that adding these to the other figure, we obtain a population to the middle of 1903 of 16,619. This shows an increase on the estimate of the

previous year of 984, somewhat less than the increase estimated for 1902, which was 1,264; but, taking everything into consideration, I believe that it is not very far from the truth.

5. The following table shows the population divided among the Six Wards:—

WARDS.	Area in Acres.	Population.
Boldmere Ward	1,051	4,068
Hill Ward	2,907	2,594
Maney Ward	848	3,591
Trinity Ward	3,223	2,997
Walmley Ward	4,242	1,276
Wylde Green Ward	756	2,093
	13,030	16,619

BIRTHS.

6. Three hundred and sixty four births have been registered during the year, namely, 189 males and 175 females. This figure is 19 less than the total for 1902, and gives us a birth-rate of 21.9, compared with 24.02 in the previous year. In the last two years the birth-rate has been above the average, but in the year under review, though it has been considerably lower, it is still above the ten year average, though only to a slight extent.

7. The number of illegitimate births was nine, compared with 7 and 11 in the two previous years.

DEATHS.

8. One hundred and ninety-one deaths have been registered, namely, 96 males, and 95 females. Of these, three occurred in people not belonging to the Borough, but nine occurred in persons removed to the Aston Union Workhouse, and two died in Birmingham Hospitals, so that deducting three and adding eleven, we have a corrected figure of 199 deaths to be debited

to the Borough, and this gives us a death-rate for the year of 11.97. It is very curious that the rate is almost identical with that of the two previous years, when it was 11.79 and 11.87, while for the average of the ten previous years the death-rate has been 11.86.

9. The following table shows the Birth Death and Zymotic Death-rates for the past ten years :—

	1894.	1895	1896.	1897.	1898.	1899.	1900	1901.	1902.	1903.
Birth Rate	20.00	19.90	19.53	19.15	17.35	22.46	22.18	23.61	24.02	21.90
Death Rate	11.50	11.04	13.50	11.59	11.64	12.18	11.57	11.87	11.79	11.97
Zymotic Death Rate	0.6	0.57	2.35	0.77	0.95	0.60	0.75	0.62	0.61	0.66

10. It will be seen, therefore, that the Birth-rate is slightly above the average; the Death-rate remains remarkably low, while the Zymotic Death-rate is also below the average of the ten years, and is practically as low as it has ever been, being only higher in the second decimal place than the best on record.

11. In the following table are shown the Birth, Death, and Zymotic Death-rates for the separate Wards of the Borough :—

WARDS.	Population.	Birth Rate.	Death Rate.	Zymotic Death Rate.
Boldmere ...	4,068	21.87	10.81	0.73
Hill	2,594	22.74	15.42	1.15
Maney	3,591	27.29	12.80	0.83
Trinity	2,997	15.01	12.01	0.36
Walmley	1,276	21.94	9.40	nil
Wylde Green ...	2,093	21.50	10.03	0.47

12. These figures show that the Birth-rate was highest in Maney and lowest in Trinity Wards, and it is an interesting fact that it has been lowest in Trinity Ward now for three successive years.

13. The Death-rate was lowest in Walmley and Wylde Green Wards. It was highest in Hill.

14. The Zymotic Death rate was highest in Hill Ward, though here it was very low, and was absolutely *nil* in Walmley. In Trinity and Wylde Green Wards it was below 0.5 per thousand.

INFANT MORTALITY.

15. Of the 199 deaths, 37 were in children under one year of age, and 14 between one and five years. This gives a better percentage of deaths of infants under one year to the total deaths, and also of children under five years than in the preceding year, as will be seen by the next table. The rate of infant mortality, which is calculated on the number of children who die under twelve months, calculated on the number of births, appears as 101, compared with 103 in the previous year. This is a very satisfactory rate, and compares very favourably with the country at large.

16. The following table shows at a glance the rates of Infant Mortality:—

Annual Rate of Mortality.	Percentage of Deaths of Infants under One Year to Total Deaths.	Percentage of Deaths of Children under Five Years to Total Deaths.	Percentage of Deaths of Infants under One Year to Registered Births.
11·97	18·59	25·62	10·1

17. The causes of these infantile deaths were as follows:—
 Debility from Birth, 2; Tuberculosis, 4; Congestion of Lungs, 1; Meningitis, 1; Bronchitis, 3; Premature Birth, 4; Natural Causes, 1; Convulsions, 3; want of breast milk, 1; Inanition, 2; Malformation of Heart, 2; Icterus, 2; Asphyxia at Birth, 1; Immaturity at Birth, 1; Atrophy, 1; Congenital Syphilis, 1; Syncope, 1; Dentition, 1; Whooping Cough, 3; Diarrhœa, 1; Enteritis, 1.

18. These returns are much the same as in 1902, for, with the exception of the three deaths from Whooping Cough and the one from Diarrhœa, all the deaths were due to causes outside the direct control of a sanitary authority.

19. The next table shows the distribution of births and deaths in each quarter:—

1903.	Births.	Birth Rate.	Deaths.	Death Rate.	Zymotic Death Rate.
1st Quarter	80	19·24	45	10·80	0·24
2nd „	107	25·72	62	14·92	1·20
3rd „	86	20·68	48	11·52	0·96
4th „	91	21·88	44	10·56	0·24

20. It will be seen that the Birth-rate was lowest in the first quarter, as was the case in the previous year, and highest in the second quarter. The Death-rate was lowest in the first and last quarters, and highest in the second, while the Zymotic Death-rate was highest in the second and third quarters, and fractional in the other two.

21. The mortality in persons aged 65 and upwards was again high, namely 35·1% of the total. This is higher than in the preceding year, and may be considered very satisfactory.

ZYMOTIC DISEASES.

22. Eleven deaths only have been registered from the seven principal zymotic diseases, compared with 10 in the previous year. Of these, four were due to Whooping Cough, three to Measles, one to Diphtheria, and three to Diarrhœa. This to my mind is a very satisfactory record, even more so than in the previous year.

23. *Epidemics.*—For a second year, nothing in the nature of a real epidemic has been experienced, but owing to the somewhat extensive prevalence of Measles in Hill, in January, I suggested the closing of the Infants' School there for a period of three weeks, and this was done. Scarlet Fever was slightly prevalent towards the end of the year, particularly in Boldmere Ward.

24. *Smallpox.*—I am pleased to be able to report that not a single case has been notified during the year.

25. *Chickenpox*—This disease was again made notifiable owing to the threatened invasion by Smallpox from neighbouring districts. I am pleased, however, to be able to state that it has been much less prevalent than in the previous year, 34 cases only having been notified, compared with 96 in 1902. Enquiries have been made in each case as to the ages of the patients, and the question of vaccination or otherwise, but in no case was an unvaccinated child discovered.

26. *Scarlet Fever.*—Fifty-three cases of this disease were notified during the year, compared with 72 in the previous year, and 80 in 1901. The disease was of so mild a type that not a single death has occurred. It was chiefly prevalent in Boldmere Ward, where 19 cases occurred, while in Maney, also, 14 were notified. Careful enquiries were made in each case to discover the source of infection.

27. *Measles*.—Three deaths were registered from this disease, and, as I have already mentioned, the prevalence of it was such in Hill that the Infants' School was closed in January; but in no other neighbourhoods did I consider that the attendance was sufficiently affected to render it desirable to close the schools.

28. *Whooping Cough*.—Four deaths were registered from this disease, exactly the same number as in the previous year, and three of these were in infants under one year of age. It will be seen, therefore, that, as is nearly always the case, this was the most fatal of all the zymotic affections of childhood.

29. *Diphtheria*.—Six cases, exactly the same number as in the previous year, were notified, and one of them proved fatal. Four of the cases occurred in Maney Ward, one in Wylde Green, and one at the Princess Alice Orphanage.

30. In every instance I visited the premises. In two of the cases in Maney Ward, the disease was undoubtedly imported from a relative who was at the time believed to be suffering from Quinsy, but undoubtedly was suffering from undiagnosed Diphtheria. On enquiry I found that the real nature of the illness was subsequently discovered. The case at the Princess Alice Orphanage was obscure. The child had not been subjected to infection as far as was known, and this was a solitary case in the Institution.

31. In the other cases there was nothing definite to be discovered as to the source of infection or to the cause of the disease. In one instance a sink was defective, and this has since been remedied.

32. *Typhoid Fever*.—Not a single death was registered from this disease, and only two cases were notified. One of these occurred in Chester Road, in a lady, but I was unable in any way to discover the origin of the disease. The other case was

possibly due to infection imported from another district, the patient having been visiting a friend who was alleged to have been suffering from Typhoid Fever. I discovered, however, on this property, that the water-closet was not provided with a flushing cistern, and I suggested that this should be done, and the work, though not yet complete, is about to be carried out.

33. *Diarrhœa*.—Only three deaths were registered from this disease, one in a child under one year of age, and the other two in aged persons. As in the previous year, this immunity from summer diarrhœa must be attributed to climatic rather than other causes, the cold, wet summer being unfavourable for the production of infantile diarrhœa.

34. *Influenza*.—Two deaths were registered as due to influenza, one less than in the previous year. The deaths from diseases of the respiratory organs have been rather less than last year.

35. *Phthisis*.—I regret again to have to report a somewhat large mortality from this disease. Thirteen deaths, the same number as in 1902, were recorded. This gives us a percentage on the total deaths of 6.5. This, compared with the country at large, is fairly satisfactory, though it is a terrible thing to contemplate that the mortality from a disease now proved to be preventible was greater than that of all the so-called infectious diseases put together.

36. I may add that it has been my custom all through the year to offer disinfection, both of premises and of all bedding, clothes, etc., in cases where Phthisis has proved fatal. In addition, notices have been circulated in the district enjoining the measures to be taken to limit the spread of this disease, and I hope that these efforts in educating the people how to avoid consumption may be productive of good in the future.

SANITARY CONDITION AT THE END OF THE YEAR.

37. There can be no doubt that a further marked improvement in the sanitary condition of the Borough has taken place during the year. The work carried out in the department of the Borough Surveyor, makes for improved sanitation, and the fact that with the exception of three or four scattered cases of zymotic diseases the Borough was free from such illness at the end of the year, is further evidence of this fact.

AN ACCOUNT OF ENQUIRIES MADE AS TO CONDITIONS INJURIOUS TO HEALTH, AND OF THE PROCEEDINGS ADVISED ; ALSO AN ACCOUNT OF THE SUPERVISION EXERCISED OVER PLACES AND HOUSES WHICH THE SANITARY AUTHORITY HAVE POWER TO REGULATE, WITH THE ACTION TAKEN IN REGARD TO OFFENSIVE TRADES.

38. The Borough has been regularly inspected for the purpose of discovering nuisances, and all complaints have been enquired into, and, if proved to be justified, the necessary measures taken to have defects remedied. In connection with this inspection I may add that every public-house in the Borough has been overhauled as regards its sanitary condition, and in many instances improvements have been effected, particularly in the substitution of water-closets for midden privies, and in urinal accommodation.

NOTIFICATION.

39. The total number of cases notified during the year was 98, compared with 185 in the previous year. They were as follows:—Scarlet Fever, 53; Diphtheria, 6; Typhoid Fever, 2; Erysipelas, 3; and Chickenpox, 34. It will be observed that there is a great diminution in the number of cases notified, and this is chiefly due to the fact of the lessened prevalence of Chickenpox, to which I have previously referred.

40. The cost of notification was £12 3s. 6d., compared with £22 10s. in 1902.

ISOLATION.

41. The number of cases removed to the Isolation Hospital was considerably less than in the two previous years, the total number removed being 31, compared with 41 in 1902, and 65 in 1901.

DISINFECTION.

42. In every case where infectious disease has been notified, the house has been disinfected, and the Inspector reports that he has disinfected 73 houses and three schools. In every case, also, bedding, clothing, and similar articles have been sent to the station to be disinfected.

SCHOOLS.

43. I am pleased to be able to state that I have only thought it desirable to close one school, namely, Hill Infants', owing to the prevalence of infectious disease. This was on account of Measles, and took place from the 7th to the 28th January. It was suggested to me that it would probably be desirable to close Boldmere Schools in October, but I could not satisfy myself that the conditions were such as to make such a proceeding desirable.

SEWERAGE AND SEWAGE DISPOSAL.

44. I am indebted to Mr. Clarry, the Borough Surveyor, for the following particulars of work done in his department. He says :—

“No sewerage works of any important character have been undertaken during the past year, beyond the completion of the sewer through Little Sutton and an extension from the Mere Green Road sewer towards and along the road fronting the Hill allotments.

“ New sewers have been laid in the following roads :— Jordan Road, College Road, and Britwell Road. Surface-water drains have been laid in Lichfield Road, Birmingham Road, Riland Road, and Mere Green Road, in order to prevent flooding in times of heavy rainfall, as this has caused much inconvenience in the neighbourhood, while in addition it causes constant dampness in the ground, rendering it undesirable for building purposes.

“ One hundred and twenty connections have been made to the public sewers, and by this means 229 houses have been effectually drained, while 310 water-closets have been put in.”

45. These figures are closely in accord with those of the previous year, and show that the work of maintaining the excellent sanitary condition of the Borough is still progressing.

46. During the year, an important advance in the equipment of the Borough has been made in the erection of latrines, etc., on the Lower Parade. These were commenced in March, and completed by July 30th. They are planned in two divisions, one being for ladies and the other for gentlemen, and have entrances from entirely opposite directions. On the ladies' side there are four w.c.'s opening into a room 15ft. by 8ft. 9in., where, if it is found necessary, lavatory basins can be fixed. The gentlemen's side has three w.c.'s and six urinals, with space for a lavatory basin. The whole of the building is lighted by electricity, and well supplied with water from the South Staffordshire Waterworks Company's mains, and drainage into the public sewers. Upon each of the closet doors a penny-in-the-slot lock is fixed, and the seats are made to flush automatically after being used. As showing the want which the erection of these latrines has supplied, two thousand pennies have been collected from the slot-locks up to December 31st, while these figures only indicate a comparatively small portion of the use which has been made of the conveniences.

SCAVENGING.

47. I am pleased to be able to point to increased activity under this head. During the year 1903, 1,181 ashpits and privies were emptied under the supervision of the Inspector of Nuisances, and this figure compares favourably with that for the previous year, when 989 were emptied.

48.—I still, however, look forward to the time when scavenging shall be carried out, at all events in the populous parts of the Borough, as a regular proceeding of the Health Department, instead of, as at present, waiting for a demand to be made by a householder owing to the ashpit having become filled.

49. No less than 72 ashpit middens have been converted into water-closets during the year, compared with 47 in the previous year. In several instances, too, so-called "water-closets" which had no automatic cistern fixed have been supplied with water for flushing purposes.

WATER SUPPLY.

50. I have analysed seven samples during the year, namely, six of tap water, that is, one every alternate month taken by the Inspector from different wards of the Borough, and one sample of surface well water. The results will be found in the Appendix, and show that, speaking generally, the public supply has been of good quality throughout the year, but that the sample of well water was largely polluted with organic matter of animal origin, and in my opinion, therefore, was unfit for use for drinking purposes. In consequence of my report, the tap water was substituted for the polluted supply.

OVERCROWDING.

51. Not a single case of overcrowding was reported to the Inspector, nor found by him in his investigations, throughout the year.

SLAUGHTER-HOUSES.

52. These buildings, of which there are eight in the Borough, have been very fully inspected during the year, no less than 156 visits having been made to them, and I am pleased to be able to report that they have been maintained in a good state of repair, and also have been maintained in a cleanly condition.

OFFENSIVE TRADES.

53. The only offensive trade carried on in the Borough is one where tripe is boiled, and this on every occasion when it has been visited has been found to have been conducted in a satisfactory manner, and no complaints have been made of nuisances arising therefrom.

DAIRIES AND COWSHEDS.

54. The Inspector reports that he has made 42 visits to cowsheds, and 10 to dairies and milk shops. The dairies and milk shops, as a rule, have been in a satisfactory condition. The same applies to the cowsheds, and indeed some improvement has taken place, but there is still a tendency to overcrowd some of these by putting in a number of cows too great to have the eight hundred cubic feet of space which should be the minimum for each animal.

ADULTERATION OF FOOD.

55. No samples have been purchased by the Inspector during the year, the work having been carried out by the Inspectors of the County Council. I know that a sufficiency of samples has been purchased to comply with the regulations of the Board of Agriculture.

NEW STREETS AND BUILDINGS.

56. Mr. Clarry, the Borough Surveyor, has forwarded me the following particulars:—

“ During the year, plans were approved for the erection of 270 houses, 3 shops, 1 public hall, 1 town hall and fire station, and 38 alterations, making the total number of

plans approved 313, being 33 in excess of that for last year. The number of houses passed on completion and certified as fit for habitation, was 197. Plans for four new streets have also been approved."

57. These figures indicate that the rapid extension of the Borough is still taking place, and I think it may be expected that within the next few years a still more rapid expansion will occur.

VACCINATION.

58. The usual table, referring to this important matter, will be found in the Appendix. As in the previous year, I give a table extending for the twelve months ending June 30th, in order that time may be given to deal with the births which occur in the first half of the year. I can again heartily congratulate the Borough and the Vaccination Officer on the excellent figures shown in the table. Out of the 384 births dealt with, 321 are set down as successfully vaccinated, 24 died before vaccination, 10 cases were not to be found, only one certificate of conscientious objection was granted, and 7 cases only remained unvaccinated at the date of the return.

59. Last year I urged the importance of re-vaccination in all cases at about the age of ten years. Without wishing to reiterate what I have said before, I consider this matter so important that I believe if such re-vaccination were always carried out at about this period, the whole of the expenditure on our Smallpox Hospital might be done away with, and the money devoted to the development of other much-needed sanitary improvements.

FACTORIES AND WORKSHOPS.

60. A table, in the same form as that for last year, will be found in the Appendix, giving particulars of the sanitary condition of the factories and workshops in the Borough. I am

pleased to be able to report that there has been nothing in the way of overcrowding, and that the places, generally, have been kept in a cleanly and sanitary condition. There is not a single underground bakehouse in the Borough.

METEOROLOGY.

61. I am again indebted to Mr. Clarry, the Borough Surveyor, for forwarding me a complete return of the Meteorological observations for the year. The most important fact in connection with it, is the large amount of rainfall. This appears to have been 32.41 inches, compared with 24.9 in the previous year, and is the largest rainfall we have experienced for a considerable period. At the same time it is interesting in showing that the excess of rainfall over the central Midlands was not so marked as in certain other parts of the country. The mean temperature for the year was 47.9, compared with 46.2 in the previous year, while the amount of sunshine was 1,266 hours, compared with 1,262 in 1902.

62 Though one's recollections of the summer would lead one to believe that it was one of the most wretched ever recorded, the figures do not quite bear this out. It is true that May was very deficient in sunshine, but August and September were, in this respect, better than in the preceding year. The largest amount of rain fell in the month of October, when more than $5\frac{1}{2}$ inches fell, compared with 2.3 in the previous year.

63. The effect of these conditions on the public health was most marked. It may be taken for granted that a year in which there is no great excess of heat and cold, and in which the rainfall is above the average, is always a healthy year. The old are saved in winter, and the young in summer, owing to the fact that those septic conditions which depend on a high temperature are not present, while the washing of the air and ground has also an important effect in preventing the outbreak of diarrhoeal disease.

GENERAL SANITARY WORK.

64. The usual table of the Inspector appears in the Appendix, and shows that much good routine work has been carried out by him.

CONCLUSION.

65. I can again, with great pleasure, point out the satisfactory nature of this Report. The death rate is practically the same as in the two previous years, while it is again below the average of the past ten years. The proportion of deaths due to zymotic diseases, allowing for an increase of population, has been almost identical with the previous year, one of the healthiest on record, while, with the exception of one death due to Diphtheria, none of the important preventable diseases have caused any mortality. We have been entirely free from Smallpox, while the incidence of Scarlet Fever was less than in the previous year. The most satisfactory feature, however, of all is the practical absence of Typhoid Fever. This of all others is the best index of the sanitary condition of a district, and although two cases were notified, as I have previously pointed out, only one of these can be considered to be associated with the district proper.

66. This, then, is a record, which it would be almost impossible to improve, and all associated with the maintenance of the public health of the Borough may indeed consider themselves fortunate if such a condition of affairs can be permanently maintained.

67. May I again, Mr. Chairman, acknowledge my indebtedness to you and all the Members of the Committee, and also to my brother officers, for the universal courtesy, consideration and help I have, as in previous years, received in carrying out the work of the Department.

I remain,

Your obedient servant,

A. BOSTOCK HILL, M.Sc., M.D., D.P.H.,

Medical Officer of Health.

TABLE I.
SUTTON COLDFIELD URBAN DISTRICT.
Vital Statistics of Whole District during 1903 and Previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		DEATHS IN PUBLIC INSTITUTIONS.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES. NETT.	
		Number.	Rate*	Number.	Rate per 1,000 Births registered.	Number.	Rate*				Number.	Rate*
1	2	3	4	5	6	7	8	9	10	11	12	13
1893	9,100	221	24.28	29	131	138	15.16	—	—	5	143	15.71
1894	10,000	200	20.00	18	90	112	11.20	—	—	3	115	11.50
1895	10,500	209	19.90	24	114	114	10.85	1	1	3	116	11.04
1896	10,800	211	19.53	24	123	141	13.05	1	—	8	149	13.79
1897	11,641	223	19.15	22	103	126	10.82	1	—	9	135	11.59
1898	12,619	219	17.35	20	91	146	11.56	—	1	2	147	11.64
1899	13,800	310	22.46	30	96	168	12.17	—	6	5	167	12.10
1900	14,517	322	22.18	30	93	168	11.57	—	5	5	168	11.57
1901	14,400	340	23.61	33	97	170	11.80	1	7	8	171	11.87
1902	15,635	383	24.02	40	103	185	11.60	9	5	8	188	11.79
Averages for years 1893 1902 }	12,301	264	21.25	27	104	147	11.98	1	2	5	149	12.26
1903	16,619	364	21.90	37	101	191	11.48	1	3	11	199	11.97

* Rates calculated per 1,000 of estimated population.

Area of District in acres
(exclusive of area
covered by water) } 13,030

Total population at all ages, 14,264
Number of inhabited houses, 3,073
Average number of persons per house, 4.64 } At Census of 1901.

I. Institutions within the District receiving sick and infirm persons from outside the District.	II. Institutions outside the District receiving sick and infirm persons from the District.	III. Other Institutions, the deaths in which have been distributed among the several localities in the District.
NIL.	Aston Union Workhouse, situate at Erdington. Aston Manor Joint Infectious Hospital, situate partly in Perry Barr and Erdington Urban Districts.	The Princess Alice Orphanage, situate at New Oscott in the Boldmere Ward.

TABLE II.

Vital Statistics of Separate Localities in 1903 and Previous Years.

SUTTON COLDFIELD URBAN DISTRICT.

Names of Localities.	1. BOLDMERE WARD.				2. HILL WARD.				3. MANEY WARD.				4. TRINITY WARD.				5. WALMLEY WARD.				6. WYLDE GREEN WARD				7. PUBLIC INSTITUTIONS.				8. Deaths of Non-Residents Registered in District. Deaths at all Ages.	
Year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Deaths of Non-Residents Registered in District.	Deaths at all Ages.
	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>		
1893	1,542	28	22	4	1,506	44	30	4	2,039	60	33	10	1,648	36	31	7	1,037	30	19	2	1,278	23	8	2	—	—	—	—	—	—
1894	1,755	41	26	3	1,860	45	18	2	2,150	47	28	7	1,875	31	16	3	1,031	19	11	2	1,329	17	16	1	—	—	—	—	—	—
1895	1,867	41	18	5	1,940	35	19	3	2,300	65	31	8	2,000	22	23	2	1,036	12	11	3	1,357	14	14	3	—	—	1	—	—	—
1896	1,977	37	30	1	1,970	34	19	5	2,360	58	36	8	2,060	31	36	7	1,066	24	16	1	1,367	27	12	2	—	—	1	—	—	—
1897	2,313	42	30	5	2,055	42	24	5	2,509	60	25	2	2,227	32	29	6	1,108	20	15	2	1,429	27	12	2	—	—	1	—	—	—
1898	2,782	57	25	7	2,160	33	30	2	2,644	51	31	6	2,289	32	26	2	1,157	24	16	2	1,587	22	19	1	—	—	—	—	—	—
1899	3,158	70	31	8	2,283	51	18	3	2,981	81	40	10	2,441	36	43	6	1,251	35	15	2	1,686	37	20	1	—	—	—	—	—	—
1900	3,418	96	41	13	2,238	46	21	4	3,088	79	29	8	2,533	36	29	2	1,343	30	18	2	1,897	35	30	4	—	—	—	—	—	—
1901	3,325	81	43	10	2,042	57	25	1	3,331	55	37	8	2,608	42	27	7	1,346	27	13	1	1,848	43	26	6	—	5	1	—	—	—
1902	3,831	99	40	12	2,399	65	29	7	3,457	87	45	9	2,677	45	28	2	1,253	36	15	3	2,018	51	31	6	—	—	9	—	5	—
Averages of Years 1893 to 1902	2,597	59	30	7	2,045	45	23	3	2,685	64	33	7	2,236	34	29	4	1,163	25	15	3	1,579	29	19	3	—	—	1	—	—	—
1903	4,068	89	44	10	2,594	59	40	9	3,591	98	46	11	2,997	45	36	4	1,276	28	12	—	2,093	45	21	3	—	—	12	1	—	—

TABLE III.
SUTTON COLDFIELD URBAN DISTRICT.

Cases of Infectious Disease Notified during the Year 1903.

NOTIFIABLE DISEASE	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.							No. of CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						
	At Ages—Years.						1 Boldmere Ward.	2 Hill Ward.	3 Maney Ward.	4 Trinity Ward.	5 Walmley Ward.	6 Wylde Green Ward.	7 Public Institutions.	1 Boldmere Ward.	2 Hill Ward.	3 Maney Ward.	4 Trinity Ward.	5 Walmley Ward.	6 Wylde Green Ward.	7 Public Institutions.
	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.														
Small-pox ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cholera ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diphtheria ...	—	1	3	—	2	—	—	—	4	—	—	1	1	—	—	—	—	—	—	—
Membranous croup	—	—	—	1	2	—	1	—	1	—	—	1	—	—	—	—	—	—	—	—
Erysipelas...	3	13	27	8	5	—	19	3	14	9	2	6	—	13	2	8	5	—	3	—
Scarlet fever	53	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhus fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric fever	2	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Relapsing fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Continued fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerperal fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Plague ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chicken Pox	34	14	17	1	—	—	4	20	4	2	1	3	—	—	—	—	—	—	—	—
TOTALS...	98	28	47	10	11	—	25	23	23	11	3	12	1	13	2	8	5	—	3	—

Isolation Hospital—Aston Manor Joint Hospital, partly in Perry Barr and Erdington Urban Districts.

TABLE IV.—SUTTON COLDFIELD URBAN DISTRICT.

Causes of, and Ages at, Death during Year 1903.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES). WARDS.						DEATHS IN PUBLIC INSTITU- TIONS.
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards	9.	10.	11.	12.	13.	14.	
1	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.
Small-pox	—	—	2	1	—	—	—	1	—	2	—	—	—	—
Measles	3	—	—	—	—	—	—	—	—	—	—	—	—	—
Scarlet fever	—	3	1	—	—	—	—	1	2	—	1	—	—	—
Whooping-cough	4	—	1	—	—	—	—	—	—	—	—	—	1	—
Diphtheria and membranous croup	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Croup	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Typhus	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Enteric	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other continued	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Epidemic influenza	2	—	—	—	—	—	2	—	1	—	—	1	—	—
Cholera	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Plague	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Diarrhoea	3	1	—	—	—	—	2	1	1	1	1	—	1	2
Enteritis	5	1	—	—	—	—	2	2	1	—	—	—	—	—
Puerperal fever	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	1	—	—	—	—	—	1	—	—	1	—	—	—	—
Other septic diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Phthisis	13	—	1	—	3	8	1	1	4	1	4	2	1	—
Other tubercular diseases	12	4	4	—	1	3	3	4	2	2	1	—	3	1
Cancer, malignant disease	9	—	—	—	—	6	9	—	1	3	4	—	1	—
Bronchitis	12	3	—	—	—	—	1	2	6	1	3	—	—	—
Pneumonia	10	—	3	—	2	4	1	2	2	3	1	1	—	—
Pleurisy	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Other diseases of Respiratory organs	3	1	—	—	—	2	—	2	1	1	—	—	—	—
Alcoholism—Cirrhosis of liver	4	—	—	—	—	4	—	2	1	1	—	—	—	—
Venereal diseases	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Premature birth	4	4	—	—	—	—	—	2	—	3	—	1	1	—
Diseases and accidents of parturition	4	2	—	—	—	—	—	4	1	8	—	1	1	—
Heart diseases	18	2	—	—	—	6	10	4	1	1	3	1	1	1
Accidents	7	—	—	1	1	3	2	1	1	1	4	—	—	—
Suicides	—	—	—	—	—	—	—	—	—	—	—	—	—	—
All other causes	84	16	2	3	2	24	37	19	17	18	14	6	10	8
All causes	199	37	14	5	9	64	70	44	40	46	36	12	21	12

TABLE V.

WATER: RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

No. of Water.	Locality.	Date.	Total Solid Matter.	Free. Ammonia	Organic. Ammonia	Nitrogen as Nitrates and Nitrites.	Chlorine.	Oxygen Absorbed in four hours.	Remarks.
	SAMPLES OF PUBLIC SUPPLY.		1903.						Tap Waters
1	Maney ...	Jan. 19	22	0·001	0·004	trace	1·7	0·030	Parade
3	Trinity ...	Mar 10	26	0·002	0·002	0·44	1·8	0·024	Park Road
4	Boldmere ...	May 11	28	0·001	0·004	trace	1·7	0·026	Jockey Road
5	Hill ...	July 13	22	0·001	0·005	trace	1·6	0·012	Jordan Road
6	Wylde Green ...	Oct. 21	28	0·001	0·005	trace	1·6	0·023	Chester Road
7	Walmley ...	Nov. 17	28	0·001	0·006	0·22	1·8	0·020	Fox Inn, Walmley
	SAMPLES OF WELL WATER.								
2	Lichfield Road, Hill ...	Feb. 10	64	0·002	0·006	3·19	5·6	...	Pump, Mr. Loyns Cottages

TABLE VI.

Summary of Sanitary Work done in the Inspector of Nuisances
Department during the year 1903.

DESCRIPTION OF WORK PERFORMED.				Inspections and Observations made.	Formal Notices by Authority.	Nuisances Abated after Notice.
Dwelling Houses and Schools	{	Foul Conditions ...	...	53	26	24
		Structural Defects	...	...	23	21
		Overcrowding ...	...	...	...	...
		Unfit for Habitation	...	...	...	...
		Lodging Houses ...	...	...	...	...
		Dairies and Milkshops	...	10	...	...
		Cow Sheds ...	...	42	...	...
		Bakehouses ...	...	58	...	...
		Slaughter-houses...	...	156	...	...
		Canal Boats ...	...	...	...	...
House Drainage		Ashpits and Privies	...	575	25	25
		Deposits of Refuse and Manure		8	4	4
		Water-Closets ...	...	34	15	15
	{	Defective Traps ...	...	8	4	4
		No Disconnection	...	...	...	...
		Other Faults ...	...	104	32	30
		Water Supply ...	...	4	1	1
		Pig-sties ...	...	10	4	4
		Animals improperly kept	...	...	...	...
		Offensive Trades...	...	4	...	...
		Smoke Nuisances	...	7	...	...
		Other Nuisances...	...	16	6	6
		Totals	...	1089	140	134

TABLE VI.—Continued.

DESCRIPTION OF WORK PERFORMED.	Nos.
Seizures of unwholesome Food ... ..	...
Samples of Food taken for Analysis ... ..	...
,, ,, found Adulterated ... ..	...
,, of Water taken for Analysis	7
,, ,, condemned as unfit for use	1
NOTE.— Where an inspection or notice embraces more than one defect, it may be enumerated separately as regards each such defect.	
PRECAUTIONS AGAINST INFECTIOUS DISEASE.	
Lots of Infected Bedding Stoved or Destroyed	73
Houses Disinfected after Infectious Disease	73
Schools ,, ,, ,, ,,	3
Prosecutions for not Notifying Existence of Infectious Disease	...
Convictions ,, ,, ,, ,, ,,	...
Prosecutions for Exposure of Infected Persons or Things ...	...
Convictions ,, ,, ,, ,, ...	...

FREDK. MERRIFIELD,

Inspector of Nuisances.

TABLE VII.
SUTTON COLDFIELD SANITARY AUTHORITY.

Return, showing the number of Births Registered, together with the number of such cases successfully Vaccinated or otherwise disposed of in the above District during the year ending 31st July, 1903.

Vaccination Districts.	No. of Births Registered during the year ending 31st July, 1903	No. of these cases successfully Vaccinated.	Insusceptible of Vaccination.	Died before Vaccination.	Cases under Postponement.	Removals to other Districts out of the Union.	No. of Cases not to be found.	No. of Cases remaining Unvaccinated at date of this return.	Conscientious Objection Certificates
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Sutton Coldfield Borough (for Year ending 31st July, 1903)	384	321	2	24	17	2	10	7	1

January, 1904.

ERNEST HATELEY,
Vaccination Officer,
ERDINGTON.

TABLE VIII.

SHewing STREETS IN THE BOROUGH IN WHICH CASES OF INFECTIOUS
DISEASE HAVE BEEN NOTIFIED.

WARD AND STREET.	Small Pox.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Erysipelas.	Croup.	Chicken Pox.
BOLDMERE—							
Boldmere Road ...	—	8	—	—	—	—	1
Jockey Road ...	—	4	—	—	—	—	—
Chester Road ...	—	—	—	1	—	—	3
Station Road ..	—	—	—	—	1	—	—
Highbridge Road ...	—	5	—	—	—	—	—
Sheffield Road ...	—	2	—	—	—	—	—
Princess Alice Orphanage ...	—	—	1	—	—	—	—
HILL—							
Church Lane ...	—	1	—	—	—	—	1
Mere Green ...	—	1	—	—	—	—	2
Roughley ...	—	—	—	—	—	—	15
Clarence Road ...	—	1	—	—	—	—	—
Four Oaks Common	—	—	—	—	—	—	2
MANEY—							
Duke Street	—	—	—	—	1	—	—
Clifton Road ...	—	1	—	—	—	—	—
Bishops Road ...	—	2	—	—	—	—	2
Holland Road ..	—	2	—	—	—	—	1
Coles Lane ...	—	3	1	—	—	—	—
Driffold ...	—	—	—	—	—	—	1
Lower Parade ...	—	3	—	—	—	—	—
Victoria Road ...	—	2	—	—	—	—	—
Coleshill Road ...	—	1	2	—	—	—	—
Parade ...	—	—	1	—	—	—	—

TABLE VIII.—Continued.

WARD AND STREET.	Small Pox.	Scarlet Fever.	Diphtheria.	Typhoid Fever.	Erysipelas.	Croup.	Chicken Pox.
TRINITY —							
Tudor Road...	—	1	—	—	—	—	—
Hartopp Road ...	—	1	—	—	—	—	—
Riland Road	—	3	—	—	—	—	1
Park Road ...	—	1	—	—	—	—	—
Park	—	2	—	—	—	—	—
High Street ..	—	1	—	—	—	—	—
Doe Bank ...	—	—	—	—	—	—	1
WALMLEY —							
The Greaves ..	—	—	—	—	—	—	1
Langley ...	—	1	—	—	—	—	—
Thimble End ..	—	1	—	—	—	—	—
WYLDE GREEN —							
Highbridge Road	—	1	—	—	—	—	—
Penns Lane ...	—	—	—	—	1	—	—
Birmingham Road	—	1	1	1	—	—	1
Green Lanes ..	—	2	—	—	—	—	—
Eastern Road ...	—	1	—	—	—	—	—
Harman Road ...	—	1	—	—	—	—	—
Florence Road ...	—	—	—	—	—	—	2
TOTALS ..	—	53	6	2	3	—	34

TABLE IX.

METEOROLOGICAL OBSERVATIONS TAKEN AT THE PARK LODGE AND COUNCIL HOUSE, SUTTON COLDFIELD,
DURING THE YEAR ENDING 31ST DECEMBER, 1903, BY THE PARK FORESTER (MR. H. HARLOND).

Lat.: 52 deg. 33 mi. 22 sec., N. Long.: 1 deg. 49 mi. 42 sec., W.
Height of Rain Gauge above Sea Level, 370·5 feet.

MONTH.	RAINFALL.				BAROMETER.				THERMOMETERS.										SUNSHINE.		MONTH.
	Total Depth in inches.	Number of days on which Rain fell.	Greatest fall in 24 hours.		Highest Corrected Readings.		Lowest Corrected Readings.		IN SHADE.						Highest Readings in Sun.		Lowest Readings on Grass.				
									Highest Readings.			Lowest Readings.							Mean Temperature for the Month.		
			Depth.	Date.	Inches.	Date.	Inches.	Date.	Degrees.	Date.	Degrees.	Date.	Degrees.	Degrees.	Date.	Degrees.	Date.	Hours.		Mins.	
January	2·220	18	·620	2nd	30·629	14th	29·310	10th	52·0	6th	15·5	14th	37·7	68·3	29th	11·6	14th	36	51	January	
February.....	0·990	5	·410	24th	30·576	17th	29·340	27th	57·8	10th	24·3	18th	41·2	91·0	10th	19·0	18th	68	28	February	
March.....	4·380	20	·880	17th	30·217	31st	28·962	26th	62·5	26th	25·6	11th	42·9	106·5	19th	24·5	11th	102	11	March	
April.....	1·540	14	·470	28th	30·417	18th	29·315	27th	58·5	26th	23·5	18th	42·5	108·2	30th	22·3	17th	141	8	April	
May.....	1·930	18	·480	3rd	30·488	24th	29·309	5th	75·5	23rd	29·0	13th	55·7	123·7	23rd	25·6	13th	139	34	May	
June.....	1·970	8	·640	13th	30·510	4th	29·652	19th	81·0	28th	31·8	21st	54·9	132·9	28th	27·0	21st	154	11	June	
July.....	2·610	13	1·160	25th	30·383	10th	29·642	17th	85·7	11th	38·5	8th	59·1	128·2	12th	32·0	8th	160	31	July	
August.....	4·280	18	·890	24th	30·235	26th	29·150	15th	73·2	9th	37·3	22nd	56·3	126·2	5th	33·0	22nd	133	16	August	
September ..	3·240	14	·730	24th	30·560	15th	29·511	11th	71·5	2nd	33·0	13th	54·5	121·5	6th	30·0	16th	172	9	September	
October.....	5·520	29	·910	27th	30·125	18th	29·027	12th	64·0	1st	31·9	24th	51·6	108·6	4th	28·1	24th	71	40	October	
November. ..	1·860	17	·630	27th	30·636	5th	29·160	28th	54·0	24th	24·3	19th	42·3	86·0	2nd	19·5	19th	62	52	November	
December .	1·870	17	·610	8th	30·223	21st	29·076	8th	48·5	23rd	20·3	30th	36·5	64·0	5th	18·2	31st	23	47	December	
TOTALS	32·410	191			MEAN FOR THE YEAR						47·9		TOTAL						1266	38	

W. A. H. CLARRY, BOROUGH SURVEYOR.

TABLE X.

EXTRACTS FROM REGISTER, FACTORY AND WORKSHOPS ACT, 1901.

No. in Register.	Nature of Work carried on.	Cubic Capacity.	Number of Persons permitted to be Employed.	Number of Workers Employed.	W. C.		Lighting.	Warming.	Ventilation.	Paint, Paper or Limewash.	Remarks
					M.	F.					
1	Laundry ...	48,575	155	52	1	3	Windows and Electricity	Steam Pipes	Windows	Limewashed	Everything satisfactory
2	Generation of Electricity ...	136,400	—	3	1	—	Windows and Electricity	Boilers and Steam Pipes	Windows and Top	Glazed Bricks and Limewashed	Everything excellent
3	Mineral Waters ...	74,382	—	9	1	1	Windows and Gas	Small Boiler	Windows and Top	Limewashed	Everything new and in good order
4	Baking ...	5,787	23	2	1	—	Windows and Gas	Ovens	Windows and Top	Limewashed	Satisfactory
5	do. ...	3,420	13	3	1	—	Windows and Gas	Oven	Windows and Doors	Limewashed	Satisfactory
6	do. ...	3,160	12	2	1	—	Windows and Gas	Oven	Windows and Top	Limewashed	Satisfactory
7	do. ...	4,494	17	2	1	—	Windows and Gas	Oven	Windows and Top	Limewashed	Satisfactory
8	do. ...	1,540	6	1	1	—	Windows and Gas	Oven	Windows and Top	Limewashed	Satisfactory
9	do. ...	1,188	4	2	1	—	Windows and Gas	Oven	Windows and Top	Limewashed	Satisfactory
10	do. ...	2,700	10	4	1	—	Windows and Gas	Oven	Windows and Top	Limewashed	Satisfactory
11	do. ...	721	2	2	1	—	Windows	Oven	Windows and Top	Limewashed	Satisfactory
12	do. ...	1,381	5	2	1	—	Windows	Oven	Windows and Top	Limewashed	Satisfactory
13	do. ...	2,464	9	1	1	—	Windows	Oven	Windows and Top	Limewashed	Satisfactory
14	do. ...	864	3	1	1	—	Windows	Oven	Windows and Top	Limewashed	Satisfactory
15	do. ...	1,026	4	2	1	—	Windows and Gas	Oven	Windows and Top	Limewashed	Satisfactory
16	do. ...	1,395	5	2	1	—	Windows and Gas	Oven	Windows and Top	Limewashed	Satisfactory
17	Dressmaking ...	3,042	12	5	—	2	Windows and Gas	Fireplaces	Windows and Doors	Papered	Satisfactory
18	do. ...	1,296	5	3	—	1	Windows and Gas	Fireplace	Window and Door	Papered	Satisfactory
19	do. ...	1,564	6	4	—	1	Windows and Gas	Fireplace	Windows and Door	Papered	Satisfactory
20	Laundry ...	22,040	—	5	1	2	Windows and Gas	...	Windows	Limewashed	Satisfactory
21	Dressmaking ...	2,160	8	4	—	1	Windows and Gas	Fireplace	Windows and Door	Papered	Satisfactory
22	do. ...	2,488	9	6	—	1	Windows and Gas	Fireplaces	Windows and Doors	Papered	Satisfactory
23	do. ...	1,920	7	2	—	2	Windows and Gas	Fireplace	Window and Door	Papered	Satisfactory
24	do. ...	1,237	4	2	—	1	Window and Gas	Fireplace	Window and Door	Papered	Satisfactory
25	do. ...	1,215	4	4	—	2	Window and Lamp	Fireplace	Window and Door	Papered	Satisfactory
26	Baking ...	1,600	6	1	1	—	Window	Oven	Window and Top	Limewashed	Satisfactory
27	Cabinet Making ...	4,960	19	4	—	—	Windows	Stove	Windows and Top	Limewashed	Satisfactory
	and Upholsterers ...	5,330	20	2	1	—	Windows	Stove	Windows and Top	Limewashed	Satisfactory
28	Painter ...	1,728	6	6	—	—	Windows	...	Windows and Top	Limewashed	Satisfactory
	Glazier ...	2,124	8	4	—	—	Windows	...	Windows and Top	Limewashed	Satisfactory
	Plumber ...	1,350	5	6	1	—	Windows	Stove	Windows and Door	Limewashed	Satisfactory
	Joinery ...	4,536	17	6	—	—	Windows and Gas	Stove	Windows and Door	Limewashed	Satisfactory
29	Joinery ...	11,160	40	4	—	—	Windows and Gas	...	Windows and Door	Satisfactory	Satisfactory
	Glazier ...	6,370	25	3	1	—	Windows	...	Windows	Satisfactory	Satisfactory
	Painter ...	1,836	7	1	—	—	Windows	...	Windows	Satisfactory	Satisfactory
	Plumber ...	1,386	5	2	—	—	Windows	Stove	Windows	Satisfactory	Satisfactory
30	Plumber ...	1,300	5	2	—	—	Windows	Stove	Windows	Limewashed	Satisfactory
	Glazier ...	2,900	6	2	—	—	Windows	...	Windows	Limewashed	Satisfactory

TABLE X.—Continued.

No. in Register	Nature of Work carried on.	Cubic Capacity.	Number of Persons permitted to be Employed.	Number of Workers Employed.	W.C.		Lighting.	Warming.	Ventilation.	Paint, Paper or Limewash.	Remarks.
					M	F.					
31	Motor and Cycle Repairs	8,505	34	4	1	—	Windows	Stove	Windows and Top	Limewashed	Satisfactory
32	Plumber	646	2	2	1	—	Window	Stove	Windows and Top	Limewashed	Satisfactory
33	Joinery	7,930	31	4	1	—	Windows and Gas	Stove	Windows and Top	Limewashed	Satisfactory
—	Blacksmith	7,560	30	2				Forge		Limewashed	Satisfactory
34	Wheelwright	4,830	18	1			Windows and Gas	...	Windows and Doors		Satisfactory
—	Painter	3,720	14	1	1	—	Windows and Gas	Stove	Windows and Doors	Limewashed	Satisfactory
—	Wheelwright	5,184	20	3			Windows and Gas	...	Windows and Doors	Limewashed	Satisfactory
35	Cycle and Motor Repairs	2,436	9	4	1	—	Windows and Gas	Stove	Windows and Doors	Limewashed	Satisfactory
		8,640	34				Windows and Gas	Stove	Windows and Doors	Limewashed	Satisfactory
36	Joinery	39,600	158	5	Privy	—	Windows and Electricity	Stove	Windows and Doors	Limewashed	Satisfactory
37	Saw Mills	21,020	84	4	Privy	—	Doors open	Stove	Doors	Limewashed	Satisfactory
38	Steel Rolling	14,985	59								
—	Mills	20,535	82	4	Privy	—	Doors open	Engine	Doors and Top		Satisfactory
39	Joinery	5,669	22	3	W.C.	—	Doors open	..	Open Front	Limewashed	Satisfactory
—	Joinery	8,000	30	7	1	—	Windows and Gas	Stove	Doors and Windows	Limewashed	Satisfactory
40	Farrier	3,712	14	3	Privy	—	Windows and Gas	Forge	Doors and Windows	Limewashed	Satisfactory
—		2,583	10		W.C.	—	Windows and Gas	...	Doors and Windows	...	Satisfactory
41	Farrier	4,158	16	2	1	—	Doors open	Forge	Doors and Windows	...	Satisfactory
42	Joiner	9,544	38	2	—	—	Doors open	Hot Pipes	Doors and Windows	Limewashed	Satisfactory
43	Farrier	4,320	17	6	1	—	Windows and Doors	Forge	Windows	Limewashed	Satisfactory
		9,537	38	4	1	—	Windows and Gas	Forge	Windows and Doors		
44	Wheelwright	4,212	16	1	—	—	Windows and	...	Windows and Doors	Limewashed	Satisfactory
—	Blacksmith	7,956	31	2	1	—	Electric Light	Forge	Windows	Limewashed	Satisfactory
45	Basket Making	2,304	9	3	1	—	Windows, Oil Lamp	...	Windows and Doors	Limewashed	Satisfactory
46	Baking	1,864	7	2	Privy	—	Windows, Oil Lamp	Stove Oven	Windows and Doors	Limewashed	Satisfactory
47	Farrier	2,475	9	3	Privy	—	Windows and				
		2,227	8		W.C.	—	Electricity	Forge	Windows and Doors	Limewashed	Satisfactory
48	Joinery	6,720	26	6	1	—	Windows and Gas	Stove	Windows and Door	Limewashed	Satisfactory
49	Farrier	7,280	29	5	Privy	—	Windows and Gas	Forge	Windows and Doors	Limewashed	Satisfactory
—	Wheelwright	4,828	19	2	—	—	Windows	...	Windows and Doors	Limewashed	Satisfactory

FREDK. MERRIFIELD, SANITARY INSPECTOR

